

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) Surface-modified effect pigments based on flake-form substrates,  
which are sheathed with one or more layers of immobilised ~~LCST and/or~~ UCST polymer having layer thicknesses of 2 – 500 nm,  
wherein ~~the LCST polymer is a polyalkylene oxide compound, olefinically modified PEO-PPO copolymer, polymethyl vinyl ether, poly N-vinylcaprolactam, ethyl(hydroxyethyl)cellulose, poly(N isopropylacrylamide) or polysiloxane, or a mixture thereof, or a polysiloxane modified with olefinic groups,~~ and the UCST polymer is a polystyrene, polystyrene copolymer or polyethylene oxide copolymer, or a mixture thereof,  
wherein said surface-modified effect pigments based on flake-form substrates are holographic pigments, pearlescent pigments, interference pigments, multilayered pigments, metal-effect pigments, goniochromatic pigments and/or BiOCl pigments,  
which surface-modified effect pigments are prepared by applying the ~~LCST and/or~~ UCST polymer to the surface of the effect pigments by precipitation in water and/or an organic solvent, and  
irreversibly immobilizing said ~~LCST and/or~~ UCST polymer on the surface of the effect pigments.

2-5. (Cancelled)

6. (Previously Presented) Surface-modified effect pigments according to Claim 1, wherein the polymer sheath additionally comprises one or more nanoparticles, polymerizable monomers, plasticizers, antioxidants, carbon-black particles, microtitanium or a mixture thereof.

7. (Currently Amended) Surface-modified effect pigments according to Claim 1 6, wherein the polymer sheath comprises 0.001 to 150% by weight of one or more additives, based on the polymer.

8. (Cancelled)
9. (Previously Presented) Surface-modified effect pigments according to Claim 1, wherein the effect pigments are based on natural or synthetic mica,  $\text{Al}_2\text{O}_3$  flakes,  $\text{TiO}_2$  flakes,  $\text{SiO}_2$  flakes,  $\text{Fe}_2\text{O}_3$  flakes, glass flakes, ceramic flakes or graphite flakes.
10. (Cancelled)
11. (Previously Presented) Surface-modified effect pigments according to Claim 1, wherein one or more additives are added to the polymer.
12. (Previously Presented) A surface coating, water-borne coating, powder coating, paint, printing ink, security printing ink, plastic article, concrete, cosmetic composition, agricultural sheeting, tarpaulin, laser marking on a paper or plastic article, pigment composition or dry preparation, comprising surface-modified effect pigments according to Claim 1.
13. (Cancelled)
14. (Withdrawn) A method for light protection or corrosion protection comprising applying surface-modified effect pigments according to Claim 1 to an article that is to be protected from light or corrosion.
15. (Cancelled)
16. (Currently Amended) Surface-modified effect pigments based on flake-form substrates, which are sheathed with one or more layers of immobilised LCST and/or UCST polymer, wherein said surface-modified effect pigments based on flake-form substrates are holographic pigments, pearlescent pigments, interference pigments, multilayered pigments, metal-effect pigments, goniochromatic pigments and/or  $\text{BiOCl}$  pigments, which surface-modified effect pigments are prepared by applying the LCST and/or UCST polymer to the pigment surface by precipitation by controlling the temperature in water and/or in an organic solvent followed by irreversibly immobilizing the LCST and/or UCST

polymer on the surface of the pigment.

17. (Currently Amended) Surface-modified effect pigments according to claim 16, where the immobilization of the ~~LCST and/or~~ UCST polymer on the surface of the pigment is achieved by the cross-linking of the polymer.

18. (Currently Amended) Surface-modified effect pigments based on flake-form substrates, which are sheathed with one or more layers of immobilised ~~LCST and/or~~ UCST polymer such that the ~~LCST and/or~~ UCST polymer does not form a chemical bond with the effect pigments, wherein said surface-modified effect pigments based on flake-form substrates are holographic pigments, pearlescent pigments, interference pigments, multilayered pigments, metal-effect pigments, goniochromatic pigments and/or BiOCl pigments.

19. (Cancelled)

20. (Previously Presented) Surface-modified effect pigments according to Claim 1, wherein the precipitation is achieved by  
dissolving the UCST polymer in the water and/or organic solvent at a temperature above the upper critical solution temperature to obtain a solution,  
mixing the effect pigments with the solution to obtain a mixture,  
lowering the temperature of the mixture to or below the lower critical solution temperature, whereby the UCST polymer deposits onto the surface of the effect pigments.

21. (Currently Amended) Surface-modified effect pigments according to claim 1, where the immobilization of the ~~LCST and/or~~ UCST polymer on the surface of the pigment is achieved by the cross-linking of the polymer.

22. (Previously Presented) Surface-modified effect pigments according to Claim 1, wherein the polymer sheath has layer thicknesses of 2 – 10 nm.

23. (Currently Amended) Surface-modified effect pigments based on flake-form substrates,

which are sheathed with one or more layers of immobilised ~~LCST and/or~~ UCST polymer,

wherein the UCST polymer is a polystyrene, polystyrene copolymer or polyethylene oxide copolymer, or a mixture thereof, ~~and the LCST polymer is a polysiloxane modified with olefinic groups,~~

wherein said surface-modified effect pigments based on flake-form substrates are holographic pigments, pearlescent pigments, interference pigments, multilayered pigments, metal-effect pigments, goniochromatic pigments and/or BiOCl pigments,

which surface-modified effect pigments are prepared by applying the ~~LCST and/or~~ UCST polymer to the surface of the effect pigments by precipitation in water and/or an organic solvent, and

irreversibly immobilizing said ~~LCST and/or~~ UCST polymer on the surface of the effect pigments.

24. (Currently Amended) Surface-modified effect pigments according to claim 23, where the immobilization of the ~~LCST and/or~~ UCST polymer on the surface of the pigment is achieved by the cross-linking of the polymer.

25-26. (Cancelled)

27. (New) Surface-modified effect pigments according to Claim 23, wherein the polymer sheath additionally comprises one or more nanoparticles, polymerizable monomers, plasticizers, antioxidants, carbon-black particles, microtitanium or a mixture thereof.

28. (New) Surface-modified effect pigments according to Claim 23, wherein the polymer sheath comprises 0.001 to 150% by weight of one or more additives, based on the polymer.

29. (New) Surface-modified effect pigments according to Claim 23, wherein the effect pigments are based on natural or synthetic mica, Al<sub>2</sub>O<sub>3</sub> flakes, TiO<sub>2</sub> flakes, SiO<sub>2</sub> flakes, Fe<sub>2</sub>O<sub>3</sub> flakes, glass flakes, ceramic flakes or graphite flakes.

30. (New) A surface coating, water-borne coating, powder coating, paint, printing ink, security printing ink, plastic article, concrete, cosmetic composition, agricultural sheeting, tarpaulin, laser marking on a paper or plastic article, pigment composition or dry preparation, comprising surface-modified effect pigments according to Claim 23.

31. (New) A method for light protection or corrosion protection comprising applying surface-modified effect pigments according to Claim 23 to an article that is to be protected from light or corrosion.